

TUMASHEV, G. G. (Kazan')

"On Determining the Pressure Field of Piecewise Homogeneous Strata and a
Problem of Rational Well Distribution."

report presented at the First All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 27 Jan - 3 Feb 1960.

TUMASHEV, G.G.

A problem on the determination of the oil-water boundary.
Izv.vys.ucheb.zav.; neft' i gaz 3 no.2:65-67 '60.
(MIRA 13:6)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.
(Oil reservoir engineering)

CHARNYY, Isaak Abramovich; TUMASHEV, G.G., prof., retsenzent;
BORISOV, Yu.P., doktor tekhn. nauk, retsenzent;
KAYESHKOVA, S.M., ved. red.; POLOSINA, A.S., tekhn.red.

[Underground fluid dynamics] Podzemnaia gidrogazodinamika.
Moskva, Gostoptekhizdat, 1963. 396 p. (MIRA 17:2)

1. Kafedra gidromekhaniki Kazanskogo gosudarstvennogo uni-
versiteta im. V.I.Lenina (for Tumashev).

NUZHIN, M.T.; TUMASHEV, G.G. (Kazan')

"Inverse boundary value problems and their applications in fluid mechanics"

Report presented at the 2nd All-Union Congress on Theoretical and Applied
Mechanics, Moscow 29 Jan - 5 Feb 64.

TUMASHEV, G.G.; TROYEPOL'SKAYA, O.V.

Determining the shape of the flow about a jet-flapped wing.
(MIRA 16:7)
Izv.vys.ucheb.zav.; av.tekh. 5 no.1:32-37 '62.

1. Kazanskiy gosudarstvennyy universitet, kafedra teoreticheskoy
mekhaniki i gidroaeromekhaniki.
(Airfoils)

TUMASHEV, G.G.

Progress of mechanics at Kazan University during forty years.
Uch. zap. Kaz. un. 120 no.7:14-23 '60. (MIRA 14:9)
(Kazan University--Mechanics)

GUDE, Z.Zh., dozent; TUM/SHEVA, N.I., kand. med. nauk

Copper content in the blood and urine of patients with
psoriasis and lupus erythematosus. Vest. derm. i ven. 37 no.4.
(MIRA 17:5)
37:39 Ap '63.

1. Ternopolskly meditsinskly institut.

TUMASHEVA, N.I., dotsent; MAZORCHUK, S.G.; PSYUK, S.K.; CHAYKA, K.L.; SHVARTSEBURD, A.S.

Antistreptolysin O, antihyaluronidase and cutaneous reactions to antigens in psoriasis and lupus erythematosus. Vest. derm. i ven. 38 no. 7:17-21 Jl '64. (MIRA 18:4)

1. Kafedra dermatologii (zav. - dotsent N.I. Tumasheva) Vinnitskogo meditsinskogo instituta.

PETROVSKIY, B.V.; SOLOV'YEV, G.M.; KHODAS, M.Ya.; ARKATOV, V.A.;
ZHIDOVETSKAYA, A.Sh.; TUMASHEVA, N.N.

Some hematological and biochemical indices in experimental
extracorporeal circulation; preliminary report. Trudy 1-go
MMI 33:15-24 '64.
(MIRA 18:3)

TUMIKYAN, G.G.

New data on tectonics of the Apsheron sill. Izv. AN SSSR. Ser. geol.
26 no.11:100-105 N '61. (MIRA 14:10)

1. Kontora Morskoy geofizicheskoy razvedki Ob"yedineniya Azneft',
Baku. (Caspian Sea--Sills (Geology))

THREE (3), Barbara, #87-10014.

Checking table in the pharmaceutical store in Warsaw.
Farmacja Pol. 10 no. 5/6, 00-207 25 Mr 1961.

S/147/62/000/001/004/015
E191/E135

10.1230
AUTHORS:

Tumashev, G.G., and Troyepol'skaya, O.V.
Derivation of the shape of the jet behind a wing
with a jet flap

TITLE: PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Aviatsionnaya tekhnika, no.1, 1962, 32-37

TEXT: The shape of the jet behind a thin profile with a
small camber is considered having a jet flap (defined as an
artificially generated jet of air emerging at high velocity from
a slot in the trailing edge of the wing). A steady-state
potential flow of incompressible fluid is assumed. The wing
incidence angle and the angle of the jet flap are small. An
element of the jet between two normal sections is taken and the
equilibrium of forces considered. The centrifugal force is in
equilibrium with the difference of pressures at the boundary
with the surrounding flow. The mean line of the jet is
considered as a line of continuously distributed vortices
having a certain vorticity situated along the chord of the

VB

Card 1/2

Derivation of the shape of the ... S/147/62/000/001/004/015
E191/E135

profile. Numerical computations are given for incidences of 0, 5 and 10°, for non-dimensional jet coefficients of 0.5, 1.5 and 3.0, and for jet outflow angles of 10, 15 and 20°.

There are 3 figures and 1 table.

ASSOCIATION: Kafedra teoreticheskoy mekhaniki i gidroaeromekhaniki,
Kazanskiy gosudarstvennyy universitet
(Department of Theoretical Mechanics and Hydro-aeromechanics, Kazan' State University)

SUBMITTED: April 24, 1961

Card 2/2

16.6100 1031 1329 1327

27089

S/143/61/000/002/005/006

A207/A126

AUTHOR: Tumashev, G. G., Professor

TITLE: Reciprocal marginal problems and practical methods for their solution

PERIODICAL: Energetika, no. 2, 1961, 103 - 108

TEXT: The purpose of marginal problems, as explained by the author of this article, is to investigate the properties of the regions or bodies existing in nature. New problems, where the region of the investigated phenomenon is not known and must be solved from certain additional data occurring on the surfaces surrounding the region, are called the reciprocal marginal problems. The present article does not deal with the general theory of these or the methods of their solution, but rather restricts itself to two of the simpler examples: 1) Construction of the wing profile according to a chord diagram, and 2) a plane problem of the base design of a hydrotechnical structure according to the given diminution of the pressure along the width of the spillway dam. The author points out in conclusion that the reciprocal marginal problems are a new trend in mathematical physics, with great prospects in the field of mathematical engineering. There are 4 figures and 3 Soviet-bloc references.

X

Card 1/2

Reciprocal marginal problems and practical methods...

27089
S/143/61/000/002/005/006
A207/A126

ASSOCIATION: Kazanskiy ordena Trudovogo Krasnogo Znameni gosudarstvennyy universitet imeni V. I. Ul'yanova-Lenina, Kafedra Mekhaniki (The Kazan' Order of the Red Labour Banner State University imeni V. I. Ul'yanov-Lenin, Department of Mechanics)

SUBMITTED: April 9, 1960

Card 2/2

TUMASHEV, G.G.: prof.

Inverse boundary problems and practical methods for their solutions.
Izv. vys. ucheb. zav.; energ. 4 no.2:103-108 F '61. (MIRA 14:3)

1. Kazanskiy ordena Trudovogo Krasnogo Znameni gosudarstvennyy
universitet imeni V. I. Ul'yanova-Lenina. Predstavlena kafedroy
mekhaniki.
(Boundary value problems)

KROYCHIK, A.A., prof. TUMASHEVA, N.I., kand.med.nauk

Permanent therapy of pemphigus with cortisone. Vrach.delo no.6:649-651
Je '58 (MIRA 11:7)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. prof. A.A.
Kroychik) Stalinskogo meditsinskogo instituta.
(CORTISONE)
(PEMPHIGUS)

USSR/General Problems of Pathology - Comparative Oncology U-1

Abs Jour : Ref Zhur - Biol., No. 18, 1958, 84969

Author : Tumasheva, N. I.
Inst : Kurs Medical Institute

Title : Histo-Morphologic Changes in the Palatine Tonsils
in Cancer

Orig Pub : Sb. tr. Kurskiy med. in-t, 1956, No.11, 155-157

Abstract : Histologic studies were made of the tonsils of patients and autopsied cases dying from malignant tumors. 400 tissue sections were made in all. Metastases to the tonsils were not seen; there was atrophy of the lymphoid tissue with disappearance or diminution in the number of follicles, and moderate growth of connective tissue. In some cases it could be demonstrated that there was an increased permeability of the capillary walls. In others, there was evidence of perivascular sclerosis. The author suggests that the pathological changes in the tissues

Card 1/2

USSR/General Problems of Pathology - Comparative Oncology

U-1

Abs Jour : Ref Zhur - Biol, No 18, 1958, 84969

Abstract : of the tonsils depend on intoxication due to degeneration products from the tumors, on the general wasting of the patients, and on age factors. - Ye. F.

Card 2/2

TUMASHEV, Pimer Ivanovich; KUSHPEL', Vasiliy Semenovich; VALUYEV,
Aleksandr Iosifovich, OSINTSEV, A.S., professor, doktor
ekonomicheskikh nauk, redaktor; LUCHKO, Yu.V., redaktor;
KOVALENKO, N.I., tekhnicheskiy redaktor

[Intrashop business accounting; work practice of the open-hearth shop in the Serov Metallurgical Plant. Vnutritsekhovoi khozraschet; opyt martenovskogo tsekha metallurgicheskogo zavoda im. Serova. Sverdlovsk, Gos.nauchno-tekh.izd-vo lit-ry po chernoi i tevetnoi metallurgii, Sverdlovskoe otd-nie, 1955.
45 p.

(MLRA 8:10)

(Steel industry--Accounting)

TUMASHEV, S.

29

The effect of drying on frames on the thickness and surface area of neat's leather. I. Shuv and S. Tumashev. *Koskerennno-Oburnaya Prom. S. S. R.* 1932, 223-4; *Chem. Zentr.* 1934, II, 1070.—When neat's leather is dried by simple hanging, the surface decreases about 14% and the thickness 22.1%, calcd. on the same quantities after stretching. When the leather is dried on frames the surface decreases only 0.25%, but the decrease in thickness is 20.4%. Such treatment does not impair the quality of the leather.

M. G. Moore

ASA-SEA METALLURGICAL LITERATURE CLASSIFICATION

7.4-74
GP ✓ Tumashev, E. V., *Ostupanie kontsa lednika Dovlokhana za 35 let.* [The retreat of the end of Devlokhon Glacier during a period of 35 years]. *Vserossijskoe Geograficheskoe Obschestvo, Izvestiya*, 86(1) 93-95, Jan/Feb 1954. 1 figs., 11 refs. DLC The Devlokhon Glacier is one of the large glaciers of the southern slopes of the Peter the First mountain range in northwestern Pamir. The observations on the retreat of the glacier made during various intervals between 1911 and 1948 are compared and analyzed. Subjects Headings 1. Glaciers retreat 2. Devlokhon Glacier 3. Peter the First Mts., Pamir I.I.D.

Increasing the resistance of casein body colors to water.
 Z. Z. Tumakov and N. N. Kuz'min'kin. *Kharkov-Chernigov Prog.* 14, 208-10 (1935); *Chem. Zentr.* 1936, I, 4242.—In order to produce a water-resistant casein color on leather goods it is necessary to fix the coat twice, first with 30 cc. HCHO per l. of water on the glass (a mix. of blood, milk and HCHO) and then 30-40 cc. HCHO per l. of water. The leather colored with such a coating must be dried where the temp. does not fall below 20-30°. Formulas are given. M. G. Moose

29

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CIA-RDP86-00513R001757430004-0"

BRATCHIKOV, S.G.; TUMASHEV, V.T.

Calculating the height of the zone of solid fuel combustion in a
layer of inert materials. Izv.vys.ucheb.zav.; chern.met. 8 no.8:24-
27 '65. (MIRA 18:8)

1. Ural'skiy politekhnicheskiy institut.

TUMASHEV, Z.Z.

Ways to improve the quality of footwear. Kozh.-obuv. prom. 7
no.1:4-6 Ja '65. (MHD. 18:3)

1. Zamestitel' nachal'nika Respublikanskoy kontory optovoy
torgovli obuv'yu Ministerstva torgovli RSFSR.

TUMASHEVA, N.I., dotsent

Local anesthesia in surgery for the removal of tonsils. Sbor.
trud. Kursk. gos. med. inst. no.16:147-150 '62.

(MIRA 17:9)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A.V.
Savel'yev) Kurskogo meditsinskogo instituta.

TUMASHEVA, N.I., dotsent

Case of a bulbopontine form of poliomyelitis with dysphagic phenomena simulating a foreign body of the esophagus. Sbor. trud. Kursk. gos. med. inst. no.16:366-367 '62. (MIRA 17:9)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A.V. Savel'yev) Kurskogo meditsinskogo instituta.

TUMASHEVA, N.I., dotsent

Rare histological finds in the tonsils in tuberculosis and other diseases. Sbor. trud. Kursk. gos. med. inst. no.13:239-244 '58.
(MIRA 14:3)

1. Iz kliniki bolezney ukha, gorla, nosa (zav. - prof. A.V.Savel'yev)
i kafedry patologicheskoy anatomii (zav. - prof. A.S. Brumberg)
Kurskogo gosudarstvennogo meditsinskogo instituta.
(TUBERCULOSIS) (TONSILS)

TUMASHEVA, N.I.; BORISENKO, A.M.

Content of copper, zinc and iron in patients with syphilitic
lesions of the nervous system. Zhur. nevr. i psikh. 65
no.1:37-39 '65. (MIRA 18:2)

1. Kafedra kozhnykh i venericheskikh bolezney (zaveduyushchiy -
dotsent N.I. Tumasheva) Vinnitskogo meditsinskogo instituta.

TUMASHEVA, N.I., kand.med.nauk

Dynamics of blood cholesterol in psoriasis patients depending
on the methods of treatment. Vrach. delo no.9:140 \$163.
(MIR 16:10)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - dotsent
T.T.Glukhenn'kiy) Ternopolskogo meditsinskogo instituta.
(PSORIASIS) (CHOLESTEROL)

KROYCHIK, A.A., prof.; TUMASHEVA, N.I., kand.med.nauk

Use of sulfone preparations in the treatment of psoriasis and
certain dermatoses. Vest.derm. i ven. 34 no.2:70-72 F '60.
(MIRA 13:12)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
A.A. Kroychik) Stalinskogo meditsinskogo instituta (direktor -
dotsent A.M. Ganichkin).

(SKIN diseases)
(SULFONES ther.)
(PSORIASIS ther.)

RUDCHENKO, S.H., kandidat meditsinskikh nauk; TUMASHEVA, N.I., kandidat meditsinskikh nauk; SLIUVKO, Z.A.

Use of tibone in leprosy. Vest. ven. i derm. no.2:34-36 Mr-Ap. '55.
(MLRA 8:4)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta po izucheniiyu lepry (dir. V.F. Shubin, nauchnyy rukovoditel' prof. I.N. Perevodchikov).

(LEPROSY, therapy,
thiosemicarbazone)

(THIOSEMICARBAZONES, therapeutic use,
leprosy)

TUMASHEVA, N.I., dotsent; LESHCHENKO, V.M.

Correlation of anti-O-streptolysin and antihyaluronidase with
the copper and zinc content in the blood of patients with
alopecia areata and vitiligo. Vest. derm. i ven. 38 no.5:39-41
My 163. (MIRA 18:12)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. N.I.
Tumasheva) Vinnitskogo meditsinskogo instituta. Submitted
June 16, 1963.

СУМШЕВА, Н.И., доктор

Detection of allergic subantibodies by means of the trypsinogen
trypsinization reaction. Vest. derm. i. ven. no.3-37-55 1956.
(MIRA 15:11)

1. Кандидат медицинских наук Н.И. Сумшева
Винницкого медицинского института.

TUMASHEVITS, V.F. [Tumasevic, V.]; SVIKIS, V.; KOLOTUKHINA, P.I.;
DANEMANE, V.; ZIEMELE, I.; IL'INA, S.G.; KARKLINA, S.;
SAKSONE, V.; LEVI, S., red.

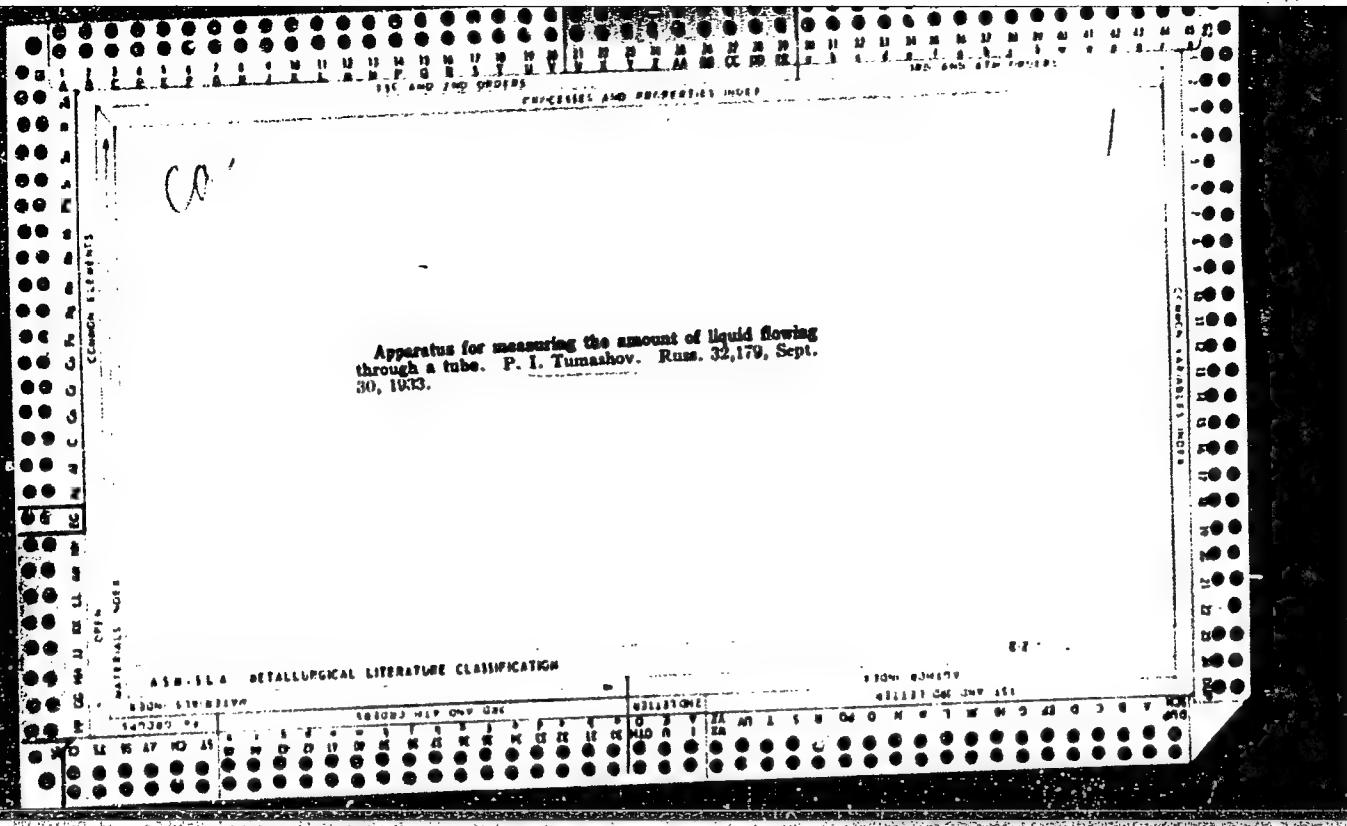
[The lumbering and woodworking industry of the Baltic
Economic Region; its condition and prospects for develop-
ment] Lesopil'no-derevoobrabatyvaiushchaya promyshlen-
nost' Pribaltiiskogo ekonomicheskogo raiona; sostoianie
i perspektivy razvitiia. Riga, Izd-vo AN Latviiskoi SSR,
1964. 95 p. (MIRA 18:6)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu
Akademija. Ekonomikas instituts.

DEYCH, Vul'f Samuilovich[Deics, Vulfs], kand. ekon. nauk; TUMASHEVITS,
Vitol'd Fritsevich [Tumasevīts, Vitolds], kand. ekon. nauk;
Priminal uchastiye TILTS, E.E., mlad. nauchnyy sotr.; DZERVE,
P.P., kand. ekon. nauk, red.; NECHETNIY, N.F., kand. ekon.nauk,
red.; LEVI, S., red.; BOKMAN, R., tekhn. red.

[Policy of economy in light industry enterprises of the Latvian
S.S.R.] Rezhim ekonomii na predpriatiiakh legkoi promyshlennosti
Latviiskoi SSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR,
1956. 144 p. (MIRA 16:6)

(Latvia--Manufactures)



KOLOMOYTSEV, L.R., dotsent; TUMASHOVA, N.I., kand.med.nauk, assistent;
VISHNICHENKO, V.V., assistent; STRONGOVSKAYA, N.V., assistent

Pyoderma in workers of the coal industry in Stalino. Vest.derm.i
ven. 33 no.4;22-26 Jl-Ag '59. (MIRA 12:11)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. A.A.
Kroychik) i kafedry mikrobiologii (zav. - dotsent L.R. Kolomoytsev)
Stalinskogo meditsinskogo instituta (dir. - prof. A.M. Ganichkin).
(OCCUPATIONAL DISEASES)
(PYODERMA, statistics)
(COAL MINING)

REZNIK, I.D.; KOVALEV, D.Ya.; KUDRIN, A.N.; TUMASOV, V.F.; GRITSKOVA, V.T.;
KRUGLYAKOVA, M.S.

Depletion of waste slags from shaft furnace smelting of oxidized
nickel ores in electric crucibles. TSvet. met. 36 no.9:22-28
S '63. (MIRA 16:10)

REZNIK, I.D.; LYUMKIS, S.Ye.; TUMASOV, V.F.

Investigating the movement of molten slags by means of tracers.
TSvetlmet, 36 no.3:21-25 Mr '63. (MIRA 16:5)
(Slag) (Radioisotopes--Industrial applications)

REZNIK, I.D., kand. tekhn. nauk; LYUMKIS, S.Ye.; KOVALEV, D.Ya.; TUMASOV,
V.F.; KRUGLYAKOVA, M.S.; GRITSKOVA, V.T.

Periodic process of depleting waste slags from the shaft-
furnace smelting of oxidized nickel ores with the help of
an electric hearth. Sbor. nauch. trud. Gintsvetmeta
(MIRA 18:12)
no.23:151-163 '65.

TUMASOVA, A., zasluzhennyj uchitel' respubliki

New tasks and the new demands. Sov.profsoiuzy ? no.4:33 Mr '59.
(MIRA 12:4)

1. Direktor shkoly No.22, Rostov-na-Donu.
(Education) (Trade unions)

TUMASOVA, G.M.

Hemoptysis and pulmonary hemorrhages in patients with tuberculosis of the lungs, treated with antibacterial preparations. Sov.med. 23 no.11:82-86 N '59. (MIRA 13:3)

1. Iz protivotuberkuleznogo dispansera No.11 (glavnnyy vrach G.V. Kotsubey) Rizhskogo rayona Moskvy.
(TUBERCULOSIS PULMONARY complications)
(HEMOPTYSIS etiology)

TUMASOVA, G.M.

Ambulatory treatment of pulmonary tuberculosis with phthiviasid. Probl.
tub. 35 no. 6:23-30 '57. (MIRA 12:1)

1. Iz protovotuber'kuleznogo dispanera No.11 Shcherbakovskogo rayona
Moskvy (glavnnyy vrach G.V. Kotsubey, zam. glavnogo vracha po meditsin-
skoy chasti M.M. Zakin).

(TUBERCULOSIS, PULMONARY, ther.

N(4-hydroxy-3-methoxy)benzal isonicotinic acid hydrazone
with PAS (Rus))

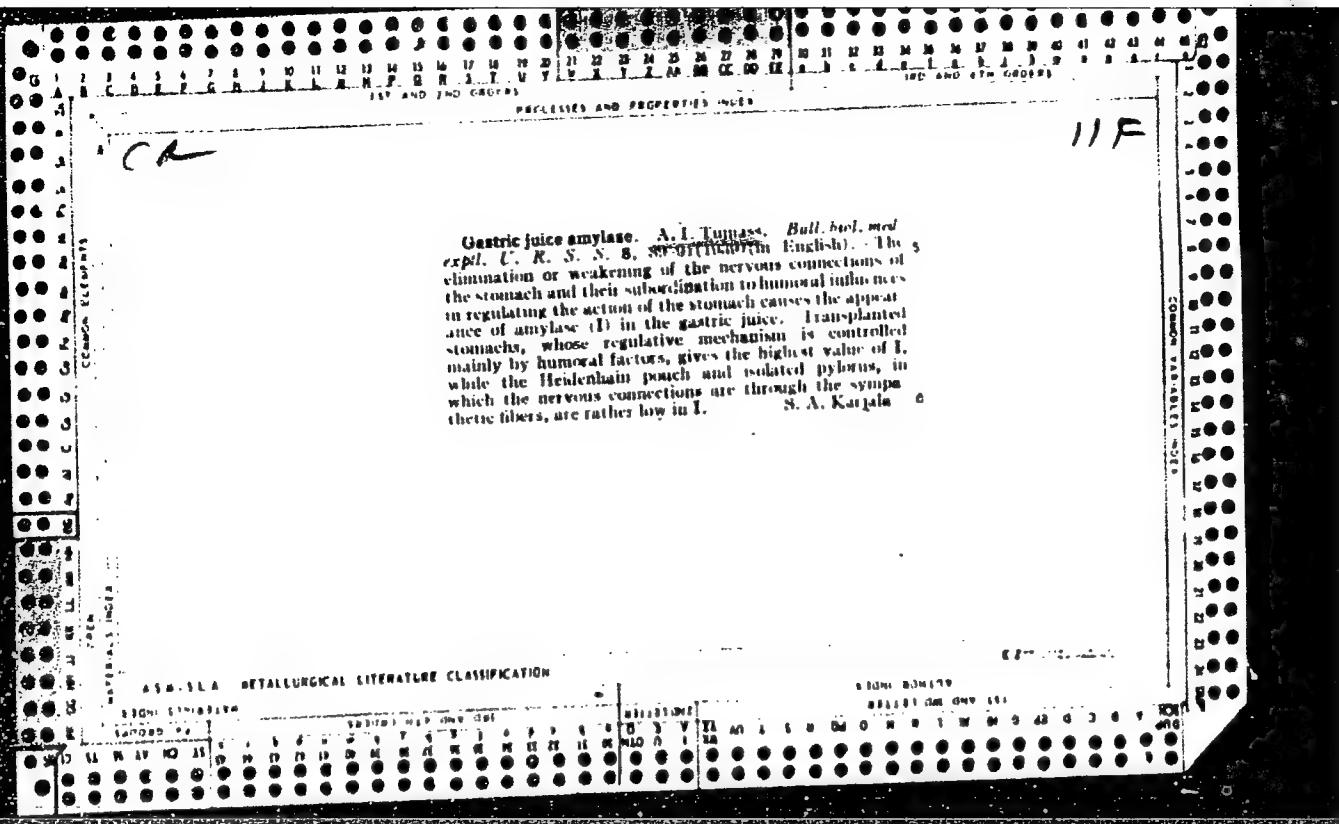
TUMASOVA G. M.

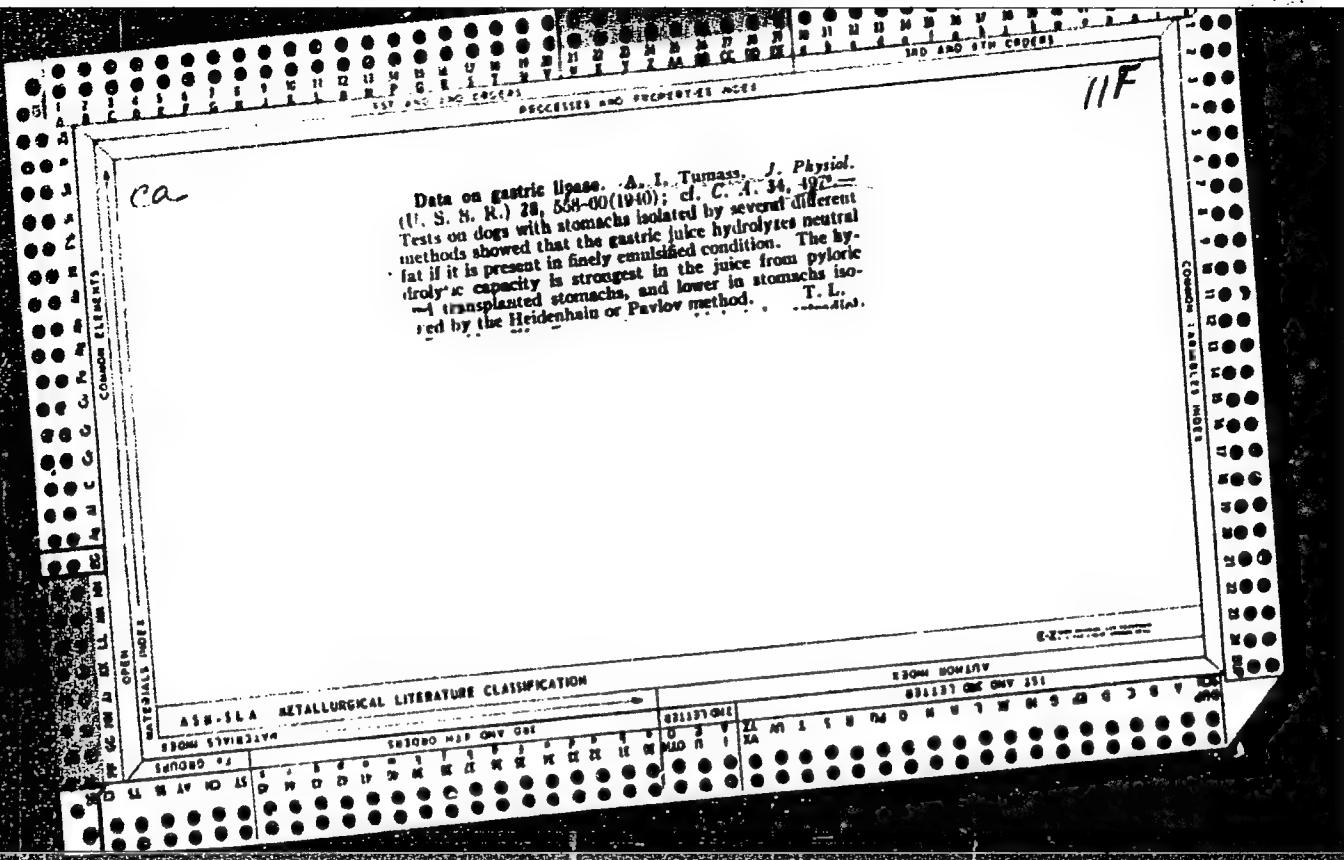
ZAKIN, M.M.; ZUDINA, M.A.; TUMASOVA, G.M.; FEL'MAN, A.N.; SHERMAN, A.Sh.

Clinical and epidemiological characteristics of bacillus carriers
[with summary in French]. Probl.tub. 35 no.4:10-16 '57. (MLRA 10:8)

1. Iz protivotuberkulznogo dispansera No.11 Shcherbakovskogo rayona
Moskvy (glavnnyy vrach G.V.Kotsubey, zam. glavnogo vracha po medi-
tinskoy chasti M.M.Zakin)

(TUBERCULOSIS
carriers, clin. & epidemiol. characteristics (Rus))





TUMASYAN, A.B.; BABALYAN, G.A.

Adsorption of asphaltenes during flow. Dokl. AN Azerb.
(MIRA 18:1)
SSR 20 no.9:37-40 '64.

1. Institut razrabotki neftyanykh i gazovykh mestcrozhdeniy
AN AzerSSR. Predstavлено akademikom AN AzerSSR A.D. Sultanovym.

TUMASYAN, A.B.; BABALYAN, G.A.; MARKHASIN, I.L.

Adsorption of oil asphaltenes in the Kyurovdag field of Azerbaijan.
Izv. AN Azerb. SSR. Ser. geol-geog. nauk no.4:91-94 '64.
(MIRA 17:12)

SHESTAKOV, A., tekhnik-stroitel'; DIKIY, V.; TUMASYAN, I., KLOKOV, N.,
inzhener-stroitel'; POPOV, F., inzh.

Readers' letters. Sel'. stroi. 15 no. 4:27 Ap '61. (MIRA 14:6)

1. Sel'khozinspeksiya Orshanskogo rayona, Mariyskoy ASSR (for
Shestakov). 2. Predsedatel' kolkhoza imeni Kirova Yegorlyksogo
rayona, Rostovskoy oblasti (for Dikiy). 3. Sekretar' partiynoy
organizatsii kolkhoza imeni Kirova Yegorlykskogo rayona, Rostovskoy
oblasti (for Tumasyan). 4. Sel'khozinspeksiya Khorol'skogo rayona,
Primorskogo kraya (for Klokov).
(Farm buildings)

SARKISYAN, S.M.; TUMASYAN, L.A.; AYKAZYAN, A.K.

Materials on the biology of the salva moth (*Gelechia malvella* Mb.).
Nauch. trudy Erev. un. 69 Ser. biol. nauk no.8:29-34 '59.
(MIRA 14:9)

1. Kafedra zoologii Yerevanskogo gosudarstvennogo universiteta.
(MOTHS) (COTTON—DISEASES AND PESTS)

TUMASYAN, L.A.

Effect of nicotine sulfate on developing embryos of the mallow moth.
Izv. AN Arm. SSR. Biol. nauki 12 no. 8:95-98 Ag '59. (MIRA 12:12)

1. Kafedra zoologiya biologicheskogo fakul'teta Yerevanskogo gosu-
darstvennogo universiteta.
(NICOTINE) (MOTHS) (INSECTICIDES)

TUMASYAN, S., inzh.

The GK-250 gas cooker. Prom.Arm. 4 no.2:38 F '61.

(MIRA 14:6)

1. Kirovakanskiy mashinostroitel'nyy zavod.
(Gas--Heating and cooking)

TUMAYAN, S.A., kand. tekhn. nauk.

Modernization of silk throwing equipment. Tekst. prom. 17 no.8:41-44
(MLRA 10:9)
Ag '57. (Silk manufacture--Equipment and supplies)

OKUN', G.S.; TUMAYAN, S.A.; KUKIN, G.M., doktor tekhnicheskikh nauk, professor.
retsenzent.

[Design and maintenance of cocoon-opening machines] Ustroistvo i obslu-
zhivanie kokonomotol'nykh mashin. Moskva, Gos. nauchno-tekhn. izd-vo
Ministerstva promyshlennykh tovarov shirokogo potreblenia SSSR, 1953.
(MLRA 7:6)

162 p.
(Sericulture) (Silk industry)

SIMONOV, N.S., kandidat tekhnicheskikh nauk; TUMAYAN, S.A., kandidat
tekhnicheskikh nauk.

Raising the uniformity of raw silk by numbers. Tekst.prom.14
no.1:17-19 Ja '54. (MLRA 7:2)
(S11k)

TUMAYAN, S.A., kand.tekhn.nauk, starshiy nauchnyy sotrudnik

Processing of acrylic fibers for the manufacture of yarn and fabrics.
Tekst.prom. 23 no.5:59-64 My '63. (MIRA 16:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut shelkovoy
promyshlennosti (TsNIIShelka).
(Orlon)

KUKIN, Georgiy Nikolayevich, prof.; SOLOV'YEV, Aleksey Nikolayevich, prof.; KISELEV, A.K., dotsent, retsenzent; PAKSHVER, A.B., prof., retsenzent; BUDNIKOV, V.I., dotsent, retsenzent; LAZAREVA, S.Ye., kand.tekhn.nauk, retsenzent; IUVISHIS, L.A., kand.tekhn.nauk, retsenzent; TUMAYAN, S.A., kand.tekhn.nauk, retsenzent; SHTEYNGART, M.D., red.; SHVETSOV, S.V., tekhn.red.

[Guide to textile materials] Tekstil'noe materialovedenie.
Pod obshchey red. G.N.Kukina. Moskva, Izd-vo nauchno-tekhn.lit-ry.
Pt.1. 1961. 303 p. (MIRA 15:4)

1. Ivanovskiy tekstil'nyy institut (for Kiselev). 2. Vsesoyuznyy zaochnyy institut legkoy i tekstil'noy promyshlennosti (for Pakshver). 3. Tashkentskiy tekstil'nyy institut (for Budnikov). 4. Vsesoyuznyy institut promyshlennosti lubyanykh volokon (for Lazareva). 5. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanykh promyshlennosti (for Iuvishis). 6. TSentral'nyy nauchno-issledovatel'skiy institut shelkovoy promyshlennosti (for Tumayan).

(Textile fibers)

RUBINOV, Emmanuil Babedzhanovich, kand.tekhn.nauk; TUMAYAN, Stepan Akopovich, kand.tekhn.nauk. Prinimal uchastiye MINTS, M.D.. CHELYSEKIN, Yu.G., red.; ZUBRILINA, Z.P., tekhn.red.

[Preparation and primary treatment of silk cocoons] Zagotovka i pervichnaya obrabotka shelkovichnykh kokonov. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1959. 367 p. (MIRA 13:7)
(Sericulture)

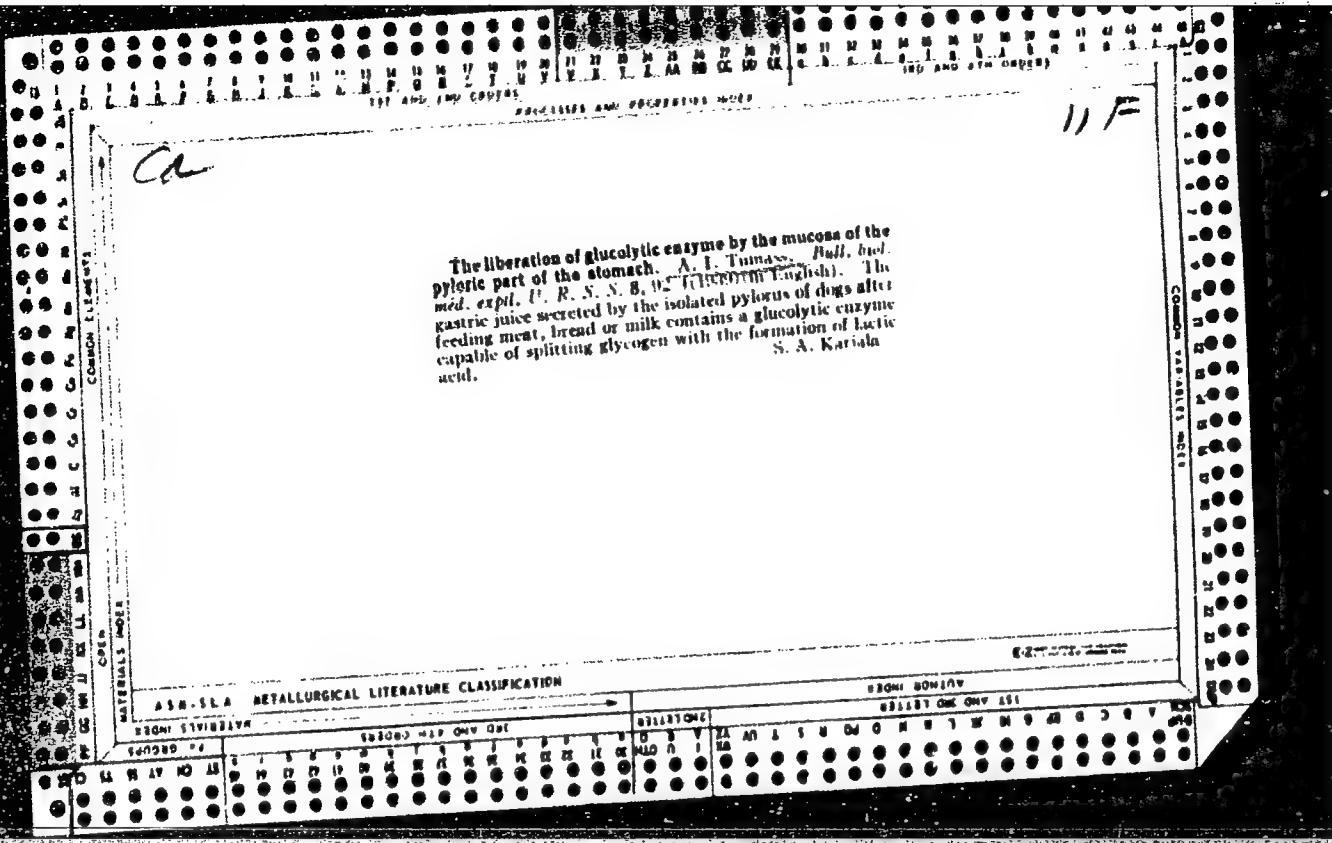
AVRUNINA, Anna Isaakovna; ARSEN'YEV, Nikolay Nikolayevich; RUSAKOV,
Nikolay Gennadiyevich; TUMAYAN, Stepan Akopovich; KUKIN, G.N.
retsenzent; NATANSON, T.A.; retsenzent; KOPELEVICH, Ye.I., redaktor;
MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[General silk technology] Obshchaya tekhnologiya shelka. Moskva,
Gos. ino-tekhn. izd-vo M-va legkoi promyshl. SSSR, 1956.
241 p. (MLRA 10:5)

(Silk manufacture)

TUMANYAN, S.Kh.

Asymptotic distribution of the criterion χ^2 . Dokl. AN SSSR
94 no.6:1011-1012 F '54.
(MLRA 7:2)
(Probabilities)



MOGILEVSKIY, Ye.M.; KHOR'KOVA, O.G.; FINGER, G.G.; PREDVODITELEVA, A.D.; KUZ'MINA, G.P.; MIKHAYLENKO, P.P.; TUMAYAN, S.A.

Continuous process for producing viscose rayon and for its finishing. Khim. volok. no. 6:25-27 '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iekusstvennogo vcelokna (for Mogilevskiy, Khor'kova, Finger). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut trikotazhnoy promyshlennosti (for Predvoditeleva, Kuz'mina). 3. TSentral'nyy nauchno-issledovatel'skiy institut shelka (for Mikhaylenko, Tumayan).
(Rayon)

TUMAYAN, S. A.

"Aggregation of the Processes of Cocoon Winding and Twisting."
Sub 18 Dec 47, Moscow Textile Inst

Dissertations presented for degrees in science and engineering in
Moscow in 1947.

SO: Sum. No. 457, 18 Apr 55

CHERNYY, Mikhail Davydovich [deceased]; TUMAYAN, S.A., retsenzent;
SHCHENKOV, S.N., retsenzent; SOKOLOV, A.F., retsenzent;
SIMONOV, N.S., kand. tekhn.nauk, red.; SHTEYNGART, M.D.,
red.; VINOGRADCOVA, G.A., tekhn. red.

[Reeling and silk twisting] Kokonomotanie i shelkokruchenie.
Moskva, Gizlegprom, 1963. 519 p.
(Silk manufacture) (MIRA 16:10)

TUMAYKIN, A.F.

Need for an improvement of locomotive maintenance in the
Orsk Depot. Elek. i tepl. tiaga 7 no.10:36 0 '63.

(MIRA 16:11)

1. Pomoshchnik machinista dpo Orenburg Yuzhno-Ural'skoy
dorogi.

TUMAYKIN, A.F., pomoshchnik mashinista

Show more thrift and businesslike approach. Elek. i tepl. tiaga
no.1:41 Ja '61. (MIRA 14:3)

1. Depo Orenburg Kuybyshevskoy dorogi.
(Diesel locomotives—Equipment and supplies)

TUMAYKIN, A.S.

Composite hydropneumatic modeling system. Trudy MINKHICP no.52:
85-92 16.4. (MIRA 18;6)

K 05822-67 EWT(m) IJF(c) GD

ACC NR: AT6031467

SOURCE CODE: UR/0000/65/000/000/0001/0014

AUTHOR: Budker, G. I.; Kushnirenko, Ye. A.; Skrinskiy, A. N.; Naumov, A. A.
Onuchin, A. P.; Popov, S. G.; Sidorov, V. A.; Tumaykin, G. M.

ORG: none

TITLE: Present state of research on the VEP-1 electronic storage ringSOURCE: AN SSSR. Sibirskoye otdeleniye. Institut yadernoy fiziki. Doklady, 1965.
Sostoyaniye rabot na elektronnom nakopitele VEP-1, 1-14

TOPIC TAGS: synchrotron, electron scattering, electron beam/VEP-1 electronic storage ring, B-2C electronic synchrotron

ABSTRACT: The VEP-1 electronic storage ring consists basically of two paired high-vacuum magnetic tracks, 43 cm in radius, with a $3 \times 4 \text{ cm}^2$ aperture a special B-2C electronic synchrotron/an electronic-optic channel, and a single thread system to extract the electron beam from the accelerator and insert it into the storage ring. This storage ring was designed for experiments in electron scattering with electrons of an energy of 2×130 Mev. It is now being used in

Card 1/2

50
B+1

L 05822-67

ACC NR: AT6031467

experiments with electron scattering in a 45-90 degree angle. Descriptions are given of the installation, the process of electron storage, and radiance measurements. The results of the first experiments on electron scattering show that divergences from the reference curve of the Moller electron scattering do not exceed the statistical error. Orig. art. has: 8 figures.

SUB CODE: 08, 20 / SUBM DATE: none / ORIG REF: 005 /

kh

Card 2/2

L 25792-66 EWT(m) IJP(c)

ACC NR: AP6016376

SOURCE CODE: UR/0089/65/019/006/0498/0502

AUTHOR: Budker, G. I.; Kushnirenko, N. A.; Naumov, A. A.; Onuchin, A. P.
Popov, S. G.; Sidorov, V. A.; Skrinelsky, A. N.; Tumaykin, G. M.

4.0

L

ORG: none

TITLE: Status report on the VEP-1 electron storage ring

SOURCE: Atomnaya energiya, v. 19, no. 6, 1965, 498-502

TOPIC TAGS: electron scattering, synchrotron, electron energy/B-25 synchrotron
ABSTRACT: This paper updates the report given at the International Conference on Accelerators held in Dubna in 1963 and describes the work carried out since that time. In the last two years the following work has been accomplished: accumulation of electrons simultaneously on two paths, study of certain interaction effects between two beams, and measurement of the luminance of the machine from the electron-electron scattering in the range of angles from 45 to 90 deg. The VEP-1 storage ring, designed to operate at electron-electron energy of 2 X 130 Mev, is connected to a B-25 synchrotron, as shown in a schematic diagram. The magnetic paths are 43 cm in dia and the aperture is 3 X 4 cm. All experiments were made at electron energies of 43 Mev and resonator voltage of 5 kv. The average injection current pulse did not exceed 10 ma, although more than 100 ma were available. Injection mode stability left much to be desired. Results of the experiments are shown in a series of graphs. Further experiments are planned at electron energies of 100 Mev. Orig. art. had 8 figures.

SUB CODE: 20 / SUB DATE: none / ORIG REF: 005

[JPRS]

2

L 07064-67 EWT(m) IJP(c)
ACC NR: AP6021622 (N)

SOURCE CODE: UR/0089/66/020/003/0213/0217

AUTHOR: Auslender, V. L.; Kulipanov, G. N.; Mishnev, S. I.; Naumov, A. A.; Popov, S. G.; Skrinskiy, A. N.; Tumaykin, G. M.

ORG: none

TITLE: Experimental data on the interaction of beams during collision

SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 213-217

TOPIC TAGS: ^{ELECTRON BEAM}, electron collision, storage ring, positron/ VEP-1 storage ring, VEPP-2 storage ring

ABSTRACT: The authors present a preliminary review of results of beam collision effects, obtained with the VEP-1 (electron-electron) storage ring and the VEPP-2 (positron-electron) storage ring. The installations and the main parameters of the beams in the storage rings are presented elsewhere (Atomnaya energiya, v. 19, 498 and 502, 1965; E. I. Zinin et al., present source, p. 220 [Acc. Nr. AP6021624]). Most of the data pertain to the VEP-1 storage ring at colliding beam energies of 43 Mev.... The data presented include the diagram of resonances in the working region of the magnetic field, photographs of different spreading effects in the beams, the distribution of the densities of the particles in one beam with and without the collisions with the other beam, the dependence of the electron lifetime on the revolution frequency and on the colliding-beam current, and the dependence of the partial electron lifetime on various factors. The phenomena in the VEPP-2 storage ring were essential-

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UDC: 621.384.612.4

L 07064-67

ACC NR: AP5021622

ly similar to those in the VEP-1. Orig. art. has: 8 figures.

SUB CODE: 20/ SUM DATE: 22Nov69/ ORIG REF: 003

Card 2/2

L 07062-67 EWT(n) IJP(c)
ACC NMR AP6021624

(N)

SOURCE CODE: UR/0089/66/020/003/0220/0223

AUTHOR: Zin'in, E. I.; Korobeynikov, L. S.; Kulipanov, G. N.; Lazarenko, B. L.; Mateyev, Yu. G.; Popov, S. G.; Skrinskiy, A. N.; Starodubtseva, T. P.; Tumaykin, G. M.

ORG: none

TITLE: Control and regulation system for the electron beam parameters in the VEP-1 electron-electron storage ring

SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 220-223

TOPIC TAGS: electron beam, electron accelerator, storage ring, plasmoid acceleration, synchrotron radiation

ABSTRACT: The authors describe briefly the main systems used for different stages of adjustment and physical research of the VEP-1 assembly, first described by G. I. Budker et al. (Atomnaya energiya v. 19, 498, 1965). The parameters investigated were the magnitude of the injected current, the angular divergence and transverse dimensions of the beam, its energy and energy spread, and the position and angle at the exit from the electron-optical channel. The number of injected particles and the phase difference between the input and output were measured with lead probes. The first revolutions of the captured current were observed by recording the synchrotron radiation with a photomultiplier. The captured and stored currents were also measured with the aid of the synchrotron radiation. The radial position of the orbits was controlled either by regulating their radii by changing the frequency of the accelerating

Card 1/2

UDC: 621.384.6

L 07062-67

ACC NR: AP6021624

voltage or by producing azimuthal modifications of the magnetic field with additional turns. The positions of the orbits at the collision location were roughly monitored by means of an optical television system, and more accurately by a remotely controlled diaphragm located at the place of encounter. The system used to measure the luminosity, to control the radial and azimuthal positions of the plasmoids, to determine the phase dimensions of the plasmoids, and to monitor and study various coherence effects are briefly described. The lifetime of the beam was monitored continuously with a special electronic system which determined the logarithmic derivative of a signal proportional to the current in the track. Orig. art. has: 6 figures.

SUB CODE: 20/ SUBM DATE: 22Nov65/ OPIG REF: 001/ OTH REF: 001

Card

2/2 xc

TUMAYKIN, N.S.; ISHCHENKO, N.V.

Cultivating Chernozem soils in the forest-steppe of the Altai.
Zemledelie 24 no.7:66-70 Jl '62. (MIRA 15:12)

1. Altayskiy nauchno-issledovatel'skiy institut sel'skogo
khozyaystva.
(Altai Territory-Tillage)

BALASHOV, I. S., TUMAYKIN, N. S.

Grasses

Increase sowing of 'regneria'. Korm. baza 3 No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

GAUKE, I.K., dotsent; DUVAA, Zh., nauchnyy sotrudnik; TUMBAA, Kh., nauchnyy sotrudnik; ABUGALIYEV, R.M., veterinarnyy vrach

Paratuberculosis enteritis in camels. Veterinariia 41
no.11:115-116 N '64. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut zhivotnovodstva i
veterinarii Mongol'skoy Narodnoy Respubliki.

AUTHORS:

Ivanov, M. I., Tumbakov, V. A.,
Podol'skaya, N. S.

SOV/89-5-2-10/36

TITLE:

The Formation Heat of UAl_2 , UAl_3 and UAl_4 (Teploty obrazovaniya
 UAl_2 , UAl_3 i UAl_4)

PERIODICAL:

Atomnaya energiya, 1958, Vol. 5, Nr 2, pp. 166-170 (USSR)

ABSTRACT:

The intermetallic compounds of UAl_2 , UAl_3 , and UAl_4 were produced by reciprocal diffusion during the heating of aluminum and disperse uranium. Uranium was obtained by the precipitation of uranium hydride. The completed compounds were ground and after renewed heating the preparation was ready for use in form of a powder. The X-ray investigation of the Debye diagrams showed that the produced preparations are monophase and that the parameters of their structure are very similar to those published formerly. It was determined from the amount of hydrogen development in the case of a suitable dissolution of the preparation and from the initial components of a specially prepared solvent (a mixture of HCl , H_3PO_4 , Na_2SiF_6 , H_2PtCl_6 , $CuSO_4 \cdot 5H_2O$) that the preparations had the following composition:

Card 1/2

The Formation Heat of UAl_2 , UAl_3 and UAl_4

SOV/89-5-2-10/36

$UAl_1,997$, $UAl_2,994$, $UAl_3,997$

The heat of formation ($-\Delta H_{298}^0$) was determined as:

UAl_2 $22,3 \pm 2,4$ kcal/mol

UAl_3 $25,2 \pm 2,2$ kcal/mol

UAl_4 $31,2 \pm 3,1$ kcal/mol

There are 2 figures, 3 tables, and 8 references, 5 of which are Soviet.

SUBMITTED: March 18, 1958

Card 2/2

21 (1), 5 (2)

AUTHORS: Ivanov, M. I., Tumbakov, V. A. 507/09-7-1-6/26

TITLE: Formation Heat of UBe_{13} (Teplota obrazovaniya UBe_{13})

PERIODICAL: Atomnaya energiya, 1959, Vol 7, Nr 1, pp 33 - 36 (USSR)

ABSTRACT: If beryllium-powder and finely distributed uranium obtained by the dissociation of uranium hydride are mixed and heated in the course of 1 1/2 hours at $1300 \pm 50^{\circ}\text{C}$ in a pure hydrogen atmosphere (620 torr), a preparation is obtained which consists mainly of UBe_{13} . A certain small quantity of free beryllium is also contained in this preparation. The purity of initial materials and the probable phase state of the impurities are given in a table. It was found by X-ray investigation that the preparation consists of only one phase UBe_{13} with a lattice constant $a = 10.236 \pm 0.001$ kX. From the oxygenation of uranium, beryllium, and of the UBe_{13} -preparation, and from the determination of the quantity of gas formed by the dissociation of uranium, beryllium, and UBe_{13} (the values are given in a table) it was possible to determine the average beryllium content in

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Formation Heat of UBe_{13}

537/29-7-5/26

the UBe_{13} -preparation as amounting to 33.6 ± 0.05 % by weight.

By measuring the dissolution heat of the UBe_{13} -preparation and of a normal uranium-beryllium mixture, it was possible to calculate the formation heat of UBe_{13} , the impurities of the initial material being taken into account:

$$-\Delta H_{298}^0 \text{ is } 30.3 \pm 0.38 \text{ kcal/Mol}$$

N. T. Chebotarev carried out X-ray- and T. S. Men'shikova the metallographical investigations. V. T. Kharlamov and A. I. Lebedev measured the oxygen content of the preparation. There are 3 tables and 10 references, 6 of which are Soviet.

SUBMITTED: November 25, 1958

Card 2/2

5(4),11(1)

AUTHORS:

Ivanov, M. I., Tumbakov, V. A.

SOV/76-33-1-38/45

TITLE:

A Calorimetric Bomb for Determining the Reaction Heat Between Gaseous and Condensed Substances Interacting on Their Contact
(Kalorimetricheskaya bomba dlya opredeleniya teplot reaktsiy
mezhdu gazoobraznym i kondensirovannym veshchestvami,
vstupayushchimi v reaktsiyu pri ikh soprikosnovenii)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 1, pp 224-225
(USSR)

ABSTRACT:

It is difficult to determine the combustion heat of substances, the combustion of which takes place on contact with a gas, in an ordinary calorimeter because anticipated ignition occurs. In the bomb described here, an anticipated contact of the substances, i.e. an ignition is not possible. The calorimetric bomb consists of two separated parts (Fig) which are connected by a little connecting tube (inside diameter 1 mm). The substance to be burned is put in the upper part and the gas (oxygen) in the lower part. The lower opening of the connecting tube is closed with wax or a copper foil (0.1 - 0.05 mm) and thus stops the passage of oxygen to the substance under investigation.

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A Calorimetric Bomb for Determining the Reaction SOV/76-33-1-38/45
Heat Between Gaseous and Condensed Substances Interacting on Their Contact

The lower part contains a mechanism with an incandescent wire and a perforating pin. The calorimetric test begins with the burning up of the wire; thereby the pin perforates the wax or copper foil closing of the connecting tube and oxygen can pass to the substance under investigation. By using this bomb, determinations can be carried out with a limit of error of $\pm 0.11\%$ at a pressure of 150 atm. There are 1 figure and 1 Soviet reference.

SUBMITTED: March 28, 1958

Card 2/2

C4

7

Determination of tungsten. New methods for determining tungsten and a critical study of existing gravimetric and volumetric methods. F. Buscarons Obesia, R. Loriente González and Herrera de la Sota. *Analisis* 16, y volum. (Madrid) 41, 493-520 (1945). A critical review of existing procedures. 34 references. R. M. Symmes

Determination of active chlorine. L. A. Tumid, Bumash. *Przem. 21*, No. 9/10, 30-1 (1940). A modification of the Pontius method is used for detg. active Cl in bleaching powder and in CaOCl_2 solids. The modification consists in adding NaHCO_3 to the standard KI (0.1 M) instead of to the analyzed sample. Best results gave solids in which the $\text{KI} : \text{NaHCO}_3$ ratio was 1:1. Titration with 0.1 N KI solns. contg. 9.70 g. per l. of NaHCO_3 gave results like those obtained by the longer Bunsen method. M. Howch

ABR-GLA METALLURGICAL LITERATURE CLASSIFICATION

SCIENTIFIC SUBJECT

TECHNIQUE

SUBJECT AREA

CA

23

Study of impurities in pulp. P. A. Tumlin. *Bum-
ark. Prom.* 21, No. 11/12, 31-37(1940). Samples of un-
bleached pulp were taken before and after the 1st and 2nd
screens and of bleached pulp before and after the dia-
phragm screens. The samples were made into test sheets
which were examd. for impurities. The impurities found
were classified as: bark, rust, sand, slime, etc., in order
to det. the source from which they originate and at which
stage of the screening they are held back. M. H.

TUMBIN, P.A., inzh.

Lowering the cost of notebook cover paper. Izm.prom.
35 no.6:26-27 Je '60. (MIRA 13:7)

1. Kamkiy tsellyulozno-bumazhnyy kombinat.
(Krasnokamsk—Paper—Costs)

TUMBIN P A

Absorption of SO_2 by limestone tower acid in packed cylinders
in atmospheric pressure. Bum.prom. 32 no.4:14-17 Ap '57.
(MIRA 10:7)

1. Kamskiy tsellyulozno-bumazhnyy kombinat.
(Sulfite liquor)

TUMBIN, P.A., inzh.

Conditions for making paper with great speed. Bum. prom.
36 no.11:21-22 N '61. (MIRA 15:1)

1. Kamskiy kombinat.
(Papermaking machinery--Technological innovations)

TUMBIN, P.

Life of screens in papermaking machinery.

p. 70
Vol. 10, no. 4, Apr. 1955
PAPIR A CEIULOSA
Praha, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 5, no. 2
February 1956, Unclassified.

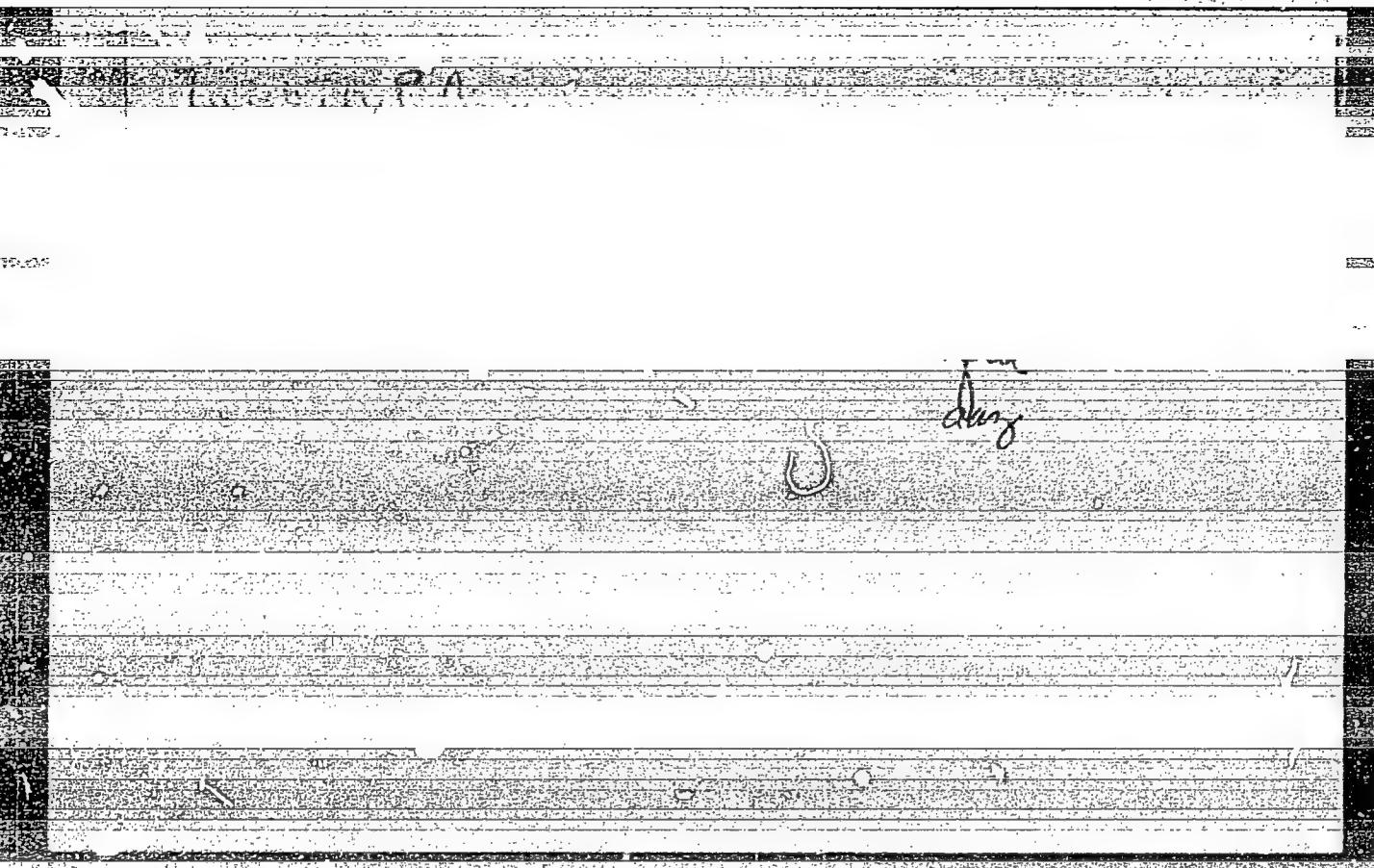
TUMBIN, P.A.

Methods of controlling pitch problems. Bum. prom. 33 no. 3:14-16
Mr '58. (MIRA 11:4)

I. Aspirant Tsentral'nogo nauchno-issledovatel'skogo instituta
tsellyuloznay i bumazhnoy promyshlennosti i Kamskiy tsellyulozno-
bumazhnyy kombinat. (Paper) (Wood tar)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757430004-0



APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757430004-0"

1. The following is a copy of a memorandum dated 10/20/67 from C. E. Powell to the Director of the Bureau of Technical Services. The memorandum discusses the use of H₂O₂ in the bleaching of paper. It states that the use of H₂O₂ has increased the consumption of H₂O₂ and decreased the consumption of Na₂O₂. It also states that the use of H₂O₂ has increased the brightness and reduced the consumption of Na₂O₂.

C. E. Powell

TUMBIN, P.A., inzhener.

Letter to the editor. Bum.prom. 31 no.9:24 S '56. (MLRA 9:11)
(Papermaking machinery--Electric driving)

SERGEYEVA, Antonina Sergeyevna; PREYSS, I.G., retsenzent; TUMBIN, P.A.,
retsenzent; OSANOV, B.P., red., KHIVRICH, Ye.D., red. izd-va; PARAKHINA,
N.L., tekhn. red.

[Technological inspection and control of woodpulp and paper
manufacture] Tekhnologicheskii kontrol' tselliulozno-
bumazhnogo proizvodstva. Moskva, Goslesbumizdat, 1961. 250 p.

(Paper industry) (Woodpulp)

(MIRA 15:4)

TUMBIN, P.A., inzhener.

Continuous bleaching of liquid woodpulp with hydrogen peroxide.
Bum.prom.31 no.8:16-17 Ag '56. (MLRA 9:10)

1.Kamskiy tsellyulyezne-bumazhnyy kombinat.
(Woodpulp industry) (Hydrogen peroxide)

TUMBIN, P.A., inzhener.

Burning pyrite in presence of air saturated with oxygen. Bus.
prom. 31 no.6:18-20 Je '56. (MLRA 9:8)

1. Kamskiy tsnellyulozno-bumazhnyy kombinat.
(Wood pulp industry) (Pyrites)

TUMBIN, P.A., inzhener.

~~Pasting wood fiberboards. Bum.prom.31 no.2:23-24 P 156.~~
(MLRA 9:6)

1.Kamskiy tsellyulozno-bumazhnyy kombinat.
(Paperboard)

Circulation of waste sulfuric acid P. A. Franklin
Buach Prom. **10**, No. 8, 18-20 (1955) *Apparatus* $\frac{1}{2}$ to $\frac{1}{4}$ of the H_2SO_4 formed in the burning of portites in a sulfur mill can be recovered. In the Kamisk unit, condensate (containing 15-16% H_2SO_4) from the primary scrubber is charged to a conical bottom storage tank (1) fed by gravity from the SO₂ cooler. The condensate is circulated to scrub the gases in the tower until the strength of the H_2SO_4 in the tank reaches 65% (2). The top of the enriched H_2SO_4 in tank (1) is collected and sent to the sulfur plant (3). The bottom of tank (1) is connected to a pump (4) which circulates the acid to the top of the SO₂ cooler (5). The acid is then sent to the sulfur plant (3). The acid is sent to the sulfur plant (3) from the bottom of tank (1) and from the top of the SO₂ cooler (5).

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USSR

CHARGED WITH STATION 107 AND GRAVES TRENCH AND TRENCHES. THESE
TRENCHES ARE 10-15 FT. AND THE ROCK IS THEN BLOWED

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